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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/736,836	12/17/2003	Dae-Sung Han	1594.1296	5426

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EXAMINER

ALEXANDER, REGINALD

ART UNIT	PAPER NUMBER
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1761

DATE MAILED: 08/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/736,836

Applicant(s)

HAN ET AL.

Examiner

Reginald L. Alexander

Art Unit

1761

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 June 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-33 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-12 and 30-33 is/are allowed.
- 6) ☒ Claim(s) 13-29 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 13-15, 28 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nishikawa in view of Wassman et al.

There is disclosed in Nishikawa a cooking apparatus comprising: a body 9; a heating unit 23 mounted in the body; a heat reflecting unit 16, including a frame 13, 15 and reflecting plates 16; a cooling fan 21 located in an inner space 17 defined by the frame and reflecting plates.

Wassman discloses the use of a heat reflecting unit which includes upper arrangement 37 and a lower tray arrangement 35 which reflects heated air and collects grease.

It would have been obvious to one skilled in the art to provide the device of Nishikawa with the lower grease collecting and heat reflecting tray disclosed in Wassman, in order to improve the circulation of heat throughout the cooking chamber and collect grease dropping from food therein.

Claims 16-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over the prior art as applied to claims above, and further in view of Pearlman.

Pearlman discloses the use of a thermostat and control unit which monitors the temperature of a cooling fan for its operation based upon temperature.

It would have been obvious to one skilled in the art to provide the apparatus of Nishikawa, as modified by Wassman, with the thermostat and control unit disclosed in Pearlman, in order to operate the fan upon the temperature within the apparatus reaching a set amount.

In regards to the temperature being indicative of the reflecting plate temperature, such would be the case since the plates are located within such a close proximity of the heater.

Allowable Subject Matter

Claims 1-12 and 30-33 are allowed.

Response to Arguments

Applicant's arguments with respect to claims 13-29 have been considered but are moot in view of the new ground(s) of rejection.

Applicant argues that Nishikawa fails to disclose or suggest reflecting plates to reflect heat and collect liquid. The Wassman reference has been cited to disclose upper and lower reflecting plate arrangements. The upper plates reflecting heat and the lower plates both reflecting heat and collecting grease. Since applicant has not established a structural connection between the cooling fan and reflecting unit, the combination of references teaches the claimed subject matter. It is clear from Nishikawa that the cooling air is brought across the top reflecting unit and would provide some form of cooling thereof.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Backus and Rijswijck both disclose a heat reflecting unit which includes a lower element which could collect grease and a fan unit which draws air across the element at some location which would provide an unknown degree of cooling for the element.

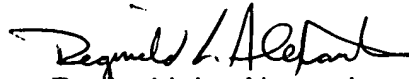
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Reginald L. Alexander whose telephone number is 571-272-1395. The examiner can normally be reached on Monday-Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Milton Cano can be reached on 571-272-1398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

rla
25 July 2006


Reginald L. Alexander
Primary Examiner
Art Unit 1761